

LOW-PROFILE IMPLANTABLE MEDICAL DEVICE

ABSTRACT

Components of an implantable medical device are arranged to facilitate a low-profile housing. A circuit board within the housing carries integrated circuits and discrete components. In some embodiments, the integrated circuits and discrete components are located on first and second opposing surfaces of the circuit board, respectively. In some embodiments, the implantable medical device is implanted on a cranium of a patient and the housing is concave such that it substantially conforms to the cranium. In such embodiments, the integrated circuits and/or discrete components can be arranged on the circuit board according to height to better conform to the concavity of the housing. In some embodiments, the implantable medical device includes a telemetry coil that is positioned within the housing such that it occupies space that cannot be practically occupied by the circuit board.